

**STELLARIA LONGIPES** Goldie ssp. **MONANTHA** (Hultén) W. A. Weber, **comb. nov.** Stellaria monantha Hultén, Bot. Notiser 1943:265. fig. 7e,f. 1943.

## References

Löve, Áskell & Doris Löve. 1976. Nomenclatural notes on Arctic plants. Bot. Not. 128:497-523.

Rollins, Reed C. 1973. Purple-flowered Arabis of the Pacific Coast of North America. Contrib. Gray Herb. 204:149-154.

Rollins, Reed C. & Lily Rudenberg. Chromosome numbers of Cruciferae III. Contrib. Gray Herb. 207:101-116. 1977.

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## ADDITIONS TO THE FLORA OF COLORADO--VIII

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## NEW RECORDS FOR COLORADO

## INDIGENOUS TAXA

**ARTEMISIA PYGMAEA** A. Gray, Proc. Amer. Acad. 21:413. 1886 (CMP). RIO BLANCO CO.: just N of the White River on the Colorado-Utah border, NE 1/4 S15. T1N R 104W; barren shale knolls in Artemisia tridentata association, Uinta formation, 27 May 1981, L. M. & J. S. Shultz s.n. (COLO 352726).

**CAREX CRAWEI** Dewey, Amer. J. Sci. (2)2:246. 1846 (CYP). EL PASO CO.: crossing of Black Squirrel Creek on old road 7 mi N of Falcon toward Eastonville, in streamside meadow, periodically inundated, 21 July 1962, Weber & Willard 11548 (COLO). The site is well-known for the presence of midwestern prairie-woodland disjuncts.

**CAREX PAYSONIS** Clokey, Am. J. Sci. (5)3:89. 1922 (CYP). ROUTT CO.: mountain meadow on west slope of Rabbit Ears Pass, 9600 ft. alt., 26 June 1950, Penland 2360 (KHD). MESA CO.: Grand Mesa, T11S R96W S31, 10,000 ft. alt., lava cliff, 30 June 1981, Siplivinsky 1430 (COLO).

**CIRSIMUM CHELLYENSE** Moore & Frankton, Can. J. Bot. 52:547. 1944. (CMP). MOFFAT CO.: Cross mountain Gorge, T6N, R97-98W, 1800 msm; steep-sided canyon of sedimentary bedrock; on talus

slopes, mostly from weathered limestone; sagebrush and grasses dominant, with scattered junipers, 19-20 Sept. 1978, Northcutt & Bunin (COLO 318787).

Previously known only from the type locality, in Canyon de Chelly, Arizona. The diagnostic features were not clearly given in the key. The deeply and narrowly pinnatifid glabrous leaves, small heads in a congested inflorescence subtended by small leaves reduced mostly to marginal spines, are diagnostic. The spines of the phyllaries on the holotype, which had a metric scale attached, do not appear to be as long as 10-20 mm.

DALEA MULTIFLORA (Nutt.) Shinners, Field & Lab. 17:82. 1949 (LEG). KIT CARSON CO.: 9 mi E of Burlington on Hwy I-70, possibly introduced in seeding, 1 Sept. 1981, R. E. Brooks 15637 (COLO).

GILIA STENOTHYRSA A. GRAY, Proc. Amer. Acad. Arts Sci. 8:276. 1870 (PLM). MESA CO.: 5 mi NE of Grand Junction, 5500-6500 ft. alt., shadscale grassland, MCR-V Coal project, 29 May 1981, ft. alt., shadscale grassland, MCR-V Coal project, 29 May 1981, Western Resource Development Corp. 28 (COLO).

HEDYOTIS NIGRICANS (Lam.) Fosberg, Lloydia 4:287. 1941 (RUB). YUMA CO.: hills just S of Laird, 1981, McGregor (COLO); near S shore of Bonny Reservoir, 1150 msm; short-grass prairie with Artemisia filifolia as the dominant shrub; sandy soils with limestone outcrops; infrequent, on limestone, only one locality noted at heads of ravine SW of summer houses, 11 Aug. 1981, Wittmann 1844 (COLO).

HETERANTHERA DUBIA (Jacq.) McMill., Metasp. Minn. Valley 138. 1892 (PTD). YUMA CO.: along S shore of Bonny Reservoir, T5S R43W S19,21,22; shallow inlets and drying margins, 12 Aug 1981, Wittmann 1853 (COLO).

LYCOPODIUM DUBIUM Zoega, Fl. Isl. p. 11. 1772 (LYC). SUMMIT CO.: deep wet humus in forest, S side Monte Cristo Creek just N of Hoosier Pass, 11,000 ft. alt., 7 July 1951, Weber et al 6498; EAGLE CO.: 16 mi S of Eagle, drainage of E. Brush Creek, Adams Rib Recreational Area, 8,000-10,000 ft., 23 June 1977, Buckner (COLO 309718); GILPIN CO.: slopes of cirque, NE side of James Peak, 12,000 ft. alt., 4 July 1972, Komarkova (COLO 262361).

Lycopodium dubium is closely related to L. annotinum L., but has shorter appressed or ascending leaves with less distinctly toothed margins, (in L. annotinum the leaves are widely spreading or even somewhat reflexed). Over their circumpolar range, the two taxa often grow in the same areas without losing their identity. L. dubium, however, is more characteristic of the northern or alpine areas of the range.

OXYTROPIS LAMBERTII Pursh ssp. LAMBERTII. BA: near Turner Ranch ca. 13 mi E of Stonington, on sandy, gravelly knoll in Cimarron River Valley; colony of ca. 50 plants, 16 May 1981, McGregor 32264 (COLO); SEDGWICK CO.: vicinity of Ovid, 23 May 1951, Weber 6032 (COLO). The typical subspecies, characterized by longer, narrower leaflets, evidently is present only in the easternmost counties, and a gap separates these populations from the Rocky Mountain subspecies bigelovii.

PHYLA LANCEOLATA (Michx.) Greene, Pittonia 4:47. 1899 (VRB). YUMA CO.: Bonny Reservoir State Recreation Area, 1150 msm, T5S, R43W, Sec 21; common in boggy bottomlands under Populus fremontii at head of inlet, south shore near the marina, 29 Sept. 1981, Wittmann 1897 (COLO).

PRUNUS GRACILIS Engelm. & A. Gray, Boston J. Nat. Hist. 5:243. 1845 (ROS). BACA CO.: along Cimarron River, sandy bluffs near Kansas border, T34S, R45W, 18 May 1981, Colson & Wittmann 1638 (COLO).

TRIFOLIUM MUCRONATUM Willd. var. ARIZONICUM (Greene) Isely, Brittonia 32:57. 1980. MINERAL CO.: Wason, near Creede; frequent along a ditch in river terrace, 8600 ft. alt., 13 Aug. 1939, Belle K. Stewart 375 (COLO).

VIRGULUS X AMETHYSTINUS (Nutt.) Reveal & Kramer, Taxon 30:649. 1981 (CMP). DENVER CO.: City of Denver, 1916, Heustis s.n. (COLO 7032), I.A. G. Jones.

#### ADVENTIVE TAXA

ALYSSUM MURALE Waldst. & Kit., Pl. Rar. Hung. 1:5. 1799 (CRU). BOULDER CO.: along the first 5 miles of Four Mile Canyon road W of Boulder, 5800-6000 ft. alt., well-established, spreading upward into dry Pinus ponderosa forest on S-facing slope; also established in at least one other location 4.2 mi NW of jct. Colo. 119, well away from the nearest dwelling, 27 June 1981, Wittmann 1713.

AMARANTHUS PALMERI S. Wats., Proc. Amer. Acad. 12:274. 1877 (AMA). BOULDER CO.: adventive and naturalized in vacant ground, Valmont Road and 55th St., E of Boulder, at the egg farm, 24 Sept. 1981, Weber 15980 (COLO).

ARCTIUM TOMENTOSUM Mill., Gard. Dict. (8), no. 3. 1768 (CMP). Denver: Berkeley, 16 July 1926, W. Heustis (COLO 6093); Denver: City Park, probably same collector, no date (COLO 6090). This species has the corymbiform inflorescence of A. lappa, the smaller heads of A. minus, and is characterized by having loose tomentum on the phyllaries.

*BOTHRIOCHLOA ISCHAEMUM* (L.) Keng var. *SONGARICA* (Rupr.)  
 Celar. & Harl., J. Linn. Soc. Lond. (Bot.) 57:758. 1958 (GRM).  
 CHEYENNE CO.: 0.5 mi E, 1 mi S of Cheyenne Wells, on roadbank, 2  
 Sept. 1981, R. E. Brooks 15881 (COLO). YUMA CO.: along US 36 near  
 Idalia, ca. 1200 msm., 13 Sept. 1980, Wittmann 1404 (COLO).

*CARAGANA AURANTIACA* Koehne, Deutsch. Dendrol. 340. 1893  
 (LEG). JEFFERSON CO.: valley of Geneva Creek between Grant and  
 Geneva Basin; two small populations above the road at the first  
 occurrence of *Pinus aristata*; nine plants growing in a small area  
 of about 1 sq. m. in the lower colony, and about the same number  
 above, ca. 2000 msm., 19 Sept. 1981, Weber, Skvortsov, Baitulin,  
Smirnov 15981 (COLO).

*CARYOPTERIS INCANA* Miq., Ann. Mus. Bot. Lugduno-Batavum  
 2:97.[1863?] (VRB) BOULDER CO.: SW corner of Valmont Road & 28th  
 St., volunteering in evergreen shrub plantings, 13 Sept. 1981, M.  
Lane 2956 (COLO).

*CHENOPODIUM BOSCIANUM* Moq., Chenop. Monogr. Enum. 21. 1840  
 (CHN). BOULDER CO.: adventive and naturalized in vacant ground,  
 19th and Goss Sts., Boulder. Plants almost 2 meters tall, green,  
 the branches ascending, inflorescence grayish, of small flowers,  
 the ultimate branchlets nodding, 24 Sept. 1981, Weber 15985  
 (COLO).

*CRYPISIS ALOPECUROIDES* (Piller & Mitterp) Schrad., Fl. Germ.  
 1:167. 1806 (GRM). JEFFERSON CO.: Denver: SE shore of Stanley  
 Reservoir near N Kipling St.; abundant on wet flats of receding  
 shoreline, 5,000 ft. alt., 5 Sept. 1980, R. G. Walter & J. Lormond  
s.n. (CS).

*EUCLIDIUM SYRIACUM* (L.) R. Br. in Ait., Hort. Kew., ed. II.  
 4:74. 1812 (CRU). MESA CO.: Grand Mesa Nat. For., old unpaved  
 forest road on N slope of plateau E of Mesa Creek, T11S, R96W,  
 Sec. 22, 8100 ft. alt., oak and aspen woods; abundant, 22 June  
 1982, Weber & Siplivinsky 1277 (COLO).

*FRANGULA ALNUS* (L.) Mill., Gard. Dict., ed. 8, no. 1. 1768  
 (RHM). BOULDER CO.: City of Boulder; along Boulder Creek between  
 19th Street and Folsom, 1620 msm; frequent in shade of Salix  
fragilis, 30 July 1981, Wittmann 1836 (COLO).

*HYSSOPUS OFFICINALIS* L., Sp. Pl. 569. 1753 (LAB). BOULDER  
 CO.: Hwy. 7 between Allenspark and Estes Park, drainage of N. St.  
 Vrain River; dry, S-facing slope, somewhat disturbed by road  
 above; weedy, with Thlaspi arvense, 25 Aug 1981, J. B. Posey 3908  
 (COLO).

LONICERA MORROWII A. Gray, in Perry, Jap. Exped. 2:313. 1856 (CPR). BOULDER CO.: Skunk Canyon N of NCAR mesa, well-established, 14 June 1973, Lanham (COLO 269707). LA PLATA CO.: floodplain of Animas River at Durango, 21 June 1964, Herbert Owen 3, erroneously reported (Weber 1966) as L. utahensis. Commonly cultivated and now locally established in natural habitats.

SALVIA SCLAREA L., Sp. Pl. 27. 1753 (LAB) BOULDER CO.: a persistent weed in a garden on Balsam Ave. E of 20th St, Boulder, 16 June 1981, Weber s.n. (COLO 352727).

SILENE CZEREI Baumg., Enum. Stirp. Transs. 3:345. 1816. BOULDER CO.: A bad weed in Shapard Nursery, NW side of "Boulder, 5 Sept. 1951, Weber 7282 (COLO); abundant weed in meadow between Boulder Canyon and Sugarloaf, 6500 ft. alt., 10 July 1957, Weber 10575 (COLO). Similar to Silene vulgaris, but without the conspicuous network of anastomosing veins. The venation is present but the calyx is of uniform thickness and glaucous green, while in S. vulgaris the areolae form translucent windows between the veins, and the calyx is reddish-tinged.

SILENE GALLICA L., Sp. Pl. 417. 1753 (CRY). "Englewood", 19 May 1930, Leslie Paull (COLO 4504).

#### SIGNIFICANT RANGE EXTENSIONS

BRAYA HUMILIS (C. A. Mey.) Robinson ssp. VENTOSA Rollins. (CRU).

Previously known from a very small and vulnerable population on Hoosier Ridge, Summit-Park County, this most rare of Colorado plants is now known from a second station: Gunnison Co.: 1 mile E of Cumberland Pass, 12,250 ft. alt., on Mississippian limestone bedrock, in S-facing gully moist from melting snow cornice; associated with Oxytropis viscida, Thalictrum alpinum and Cimicifuga prostrata, 21 July 1981, Dixon 712. The collector, Philip Dixon, a plant ecologist from Gunnison, is to be congratulated on a very important discovery.